

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Dougherty et al.

Art Unit: 1634

Application No.: 10/501,848

Filed: July 16, 2004

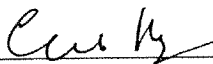
For: SIMULATING MICROARRAYS USING A  
PARAMETERIZED MODEL

Examiner: James Martinell

**DECLARATION OF EDWARD DOUGHERTY UNDER 35 C.F.R. § 1.132**

With respect to the above-identified patent application, I, Edward Dougherty, declare as follows:

1. All statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true; and further these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.
2. I am one of the inventors of the subject matter of the above-identified patent application.
3. I am employed by Texas A&M University, an assignee of the above-identified patent application.
4. I, together with my co-inventors named in the above-referenced patent application, conceived or invented the microarray simulation technologies described in the above-identified patent application.
5. I supplied information to The International Society for Optical Engineering (SPIE) for inclusion in an article to be published in *Proceedings of SPIE*.
6. I have examined the article "A Random Signal Model for cDNA Microarrays" ("the Article"), which was published on or after January 19, 2001, in vol. 4266 of *Proceedings of SPIE*.
7. The Article describes the microarray simulation technologies that my co-inventors and I conceived or invented, and the information in the Article originated from our work.

  
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Edward Dougherty

Oct. 24, 2006  
Date